

CONFIDENTIAL

12 September 1957

*Legh - your copy
WE
18 Sep*

Dear Walt,

Because of the small amount of actual technical progress possible, due to relocation, we have again resorted to giving a summary combined status report for all programs at [] comprising the month of August. From now on, we will proceed to furnish the regular individual progress reports for each task, and we will endeavour to get such reports out within ten days following the calendar month. Since by that time, we will not have the financial information, this will follow later.

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Enclosed is also a progress report for the [] operation, which essentially refers to Task C-26 Lined Cavity Charges.

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I have talked with Ralph who voiced some doubt about the advisability of continuing this program for any length of time. At that time and on a follow-up telephone conversation, I pointed out that it is imperative that we have at least one larger program to maintain even the nucleus of an explosives group at [] and that even if the scope of the Lined Cavity Charge program as such might be reduced, we might be able to do related work under it. It would, of course, be extremely desirable to have additional work of the nature of the Anti-Tank weapon and other explosives work under [] guidance.

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Incidentally, the great excitement in regard to the nearly unusable M-1 delay pencils which you had received for your tests recently from a place unknown to me, led me to an inquiry if possibly this could be of this company's production. I am relieved to say that the fact that these pencils have a hexagonal part at the bottom proves conclusively that they are not of our manufacture, since all our pencils had the normal circular washer at the base.

Regards,

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GENERAL STATUS REPORT FOR AUGUST 1957




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Alterations on the building to house the Client's contracts were completed during the month, including the installation of most of the plant equipment received in the recent trans-shipment.

During this period, work on the 'Spontaneous Program' consisted principally in evaluating work performed to date, and ordering additional materials and equipment for the program. Because there has been a continued delay in receipt of the correct thermo-couples, exploratory experimental work has been started using thermometers in order to determine the end effects of various formulations. It is hoped that full scale experimental work can be commenced by the first of September. The small corrugated iron shed to house the above project and the 'Flame Studies' has been relocated and is ready for operation.

The installation in the above structure of the equipment necessary to begin the investigation on the 'Flame Studies' has been completed. The hood has been assembled inside the shed, the motor and necessary duct work installed on the roof.

All the necessary gases were purchased as were various size cutting tips for the Airco cutting torch and a line pressure regulator which was necessary to complete the set up on the oxy-cyanogen system. Full scale experimentation is expected to be under way by the first of September.

A number of small magnesium extruded first-fire containers were loaded and tested for possible use in the . In all cases, satisfactory results were obtained. A sufficient number

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GENERAL STATUS REPORT FOR AUGUST 1957

(CONT'D) 25X1

of these items to complete the 250 finished units have been placed on order.

Tooling for inserting the ball check valves in the 'Dispensers' has been ordered and it is expected that loading of the units will be started by the third week in September.

Materials and parts for the 'Fire Starter' production have been placed on order and the design of the tooling for pilot production loading is nearing completion. The earliest date for submission of the first 200 unit lot appears to be towards the end of October.

In order to keep you more expeditiously informed on technical progress, we will endeavour to submit progress reports by the tenth of the succeeding month. The financial statements will then be submitted when they become available.

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GENERAL STATUS REPORT - AUGUST 1957

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Since the last status report, the necessary equipment and explosives have been received at . Lease negotiations for the 160 acre test site are now complete and the area is being readied for explosive testing. Additional acreage is available for doing a variety of explosive and propellant work.

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The Tetronix Oscilloscope and Potter Chronograph have been checked out and are ready for use. Two 3' x 3' x 3" mild steel plates have been purchased and positioned at the test site. Several Misznay Schardin mines are being assembled and loaded with Composition C4 and actual testing is anticipated by the middle of September.

Our initial effort will be to check out the entire test set-up and correlate the results with the Maynard Tests. Further, as discussed with the Project Officer, explosives other than Composition C4; i.e., dynamite, ammonal, TNT should and will be thoroughly investigated in order to establish the feasibility of these explosives for a Misznay Schardin mine. Other liner geometries will also be investigated.

Financial Statement: (Lined Cavity Charges - C-26)

Total Amount of Contract	\$29,970.00
Obligations to Sept. 1	20,589.15
Balance of Contract	\$ 9,280.85

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